

COOMASSIE^{nano} – Protein Staining Solution

19 JAN 2021

Catalog Number	Size	Concentration
PS002-B500ML	500 ml	1X

Storage Conditions

Stable for up to 24 months at 25°C.

Description

COOMASSIE^{nano}, enhanced by nano-technology, is a ready-to-use protein staining solution for SDS-PAGE gels. Its next generation formula offers a faster protein detection, higher sensitivity and there is no need for destaining. Also, the washing step can be omitted. In the absence of hazardous substances such as methanol and acetic acid, **COOMASSIE^{nano}** is considered to be safe and environmentally friendly. **COOMASSIE^{nano}** is also compatible with mass spectrophotometry.

Kit Content(s)

Protein staining solution	500ml x 1
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Required materials but not provided

- Container: box for gel staining
- Shaker: orbital or rocking shaker

Reaction Setup

1. Carefully shift **COOMASSIE^{nano}** up and down few times before use.
2. After SDS-PAGE has finished, remove the gel from the cassette and submerge it in a proper amount of **COOMASSIE^{nano}** dye, enough to cover the gel. Lightly agitate the staining box for 10 to 30 minutes at room temperature.
3. As there is no need for washing or destaining, please continue to carefully remove the dye solution and rinse the excess dye in the gel with water.
4. Image the gel.

Important notes

1. There is no risk of excessive staining. Instead, superior visibility per band is achieved when the gels are submerged overnight.
2. Carefully shift **COOMASSIE^{nano}** up and down few times before use.
3. If the gel is thicker than mini-gel (1mm), it will take longer to incubate.
4. The dye solution may contain blue clumps. This is normal and easily dissolved in distilled water